FOR MYSORE STATE

Public (e.P.) (1953) Department.

Ms SERIES.

G.O. Ms NO. 1205

Dated 7-5-1953

Passed
5/5/53
Superintendent.
Ms 165.53

G.O. at P. 76.

[Despatch Abstract.]

Community projects - South Kanara Area - Communications - Construction of a foot-bridge at Dabbeli in Harekala Village - Estimate - Sanctioned.

6032

231

Ref.C.No.~~954~~/53-B. Office of the Project Executive Officer,
South Kanara, Mangalore, Dt. 28-3-53.

ACCOUNTS & SPECIAL OFFICER, (COMMUNITY PROJECTS,)
30MAR1953
PUBLIC (C. P.) DEPARTMENT.

From

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects
and Ex-Officio Secretary to Govt.,
Fort St.George, Madras 9.

....

Sir,

COMMUNITY PROJECTS - South Kanara area - Block I - Communications - Construction of a foot-bridge at Dabbeli in Harekala Village - Estimate - Sanction - Requested.

....

I submit herewith an estimate in duplicate with the necessary site plan etc. for the construction of a foot-bridge at Dabbeli across the Poramboke channel in S.No. 29/8 of Harekala Village. The particulars required are furnished below:

1)	Block No	I.
2)	Name of work.	Construction of a foot-bridge at Dabbeli across the Poramboke channel in S.No. 29/8 of Harekala Village.
3)	Whethere the work was approved by the Firka and the Project Advisory Committees and whether it is included in the programme for 1952-1953.	Yes.
4)	Cost of work...	Rs. 1,400/-
5)	Villagers' contribution.	Rs. 470/- being 1/3rd of the total cost.
6)	Expenditure to be borne by the Community Project. ...)	Rs. 930/-

7) Remarks: The proposal is to construct a foot-bridge at Dabbeli across the Poramboke channel in S.No. 29/8 of Harekala Village. It will be useful to the residents of the locality - mostly cultivators, who have to cross the channel often in the course of their daily avocations. The village school is situate to the north west of the channel and a large number of children residing to the south east, have to cross the channel to attend the school. The proposed foot-bridge will benefit them also. The villagers have promised 1/3rd contribution which works out to Rs. 470/- and the Community Project has to bear an expenditure of Rs. 930/- As the work is a useful one, I request that the estimate may be sanctioned for Rs. 930/-

PROJECT EXECUTIVE OFFICER. 28/3

Enclosure:

Estimate in duplicate.

T/26.3.

3

Pub (CP Audit) Dept

Memo No. 6032 Pub (CP Audit)/53-1 dt. 15 4·53

Sub- Community Projects - South Kanara district - Communications

Construction of a foot bridge at Dabbeli in Harekala Village.

Ref- From the PEO Mangalore - Ref C No. 231/53-B dt. 28-3-53

The estimate received with the letter cited above, is herewith returned to the PEO Mangalore.

The width of the abutments at the level of top of Concrete may be limited to 0·4 h, since there is no impact load to be considered Thus the masonry ✗ need only be 4ft wide and the Concrete 5 ft. wide

The Reinforced Concrete Slab for decking should have additional reinforcement at the edges so as to serve as a Cantilever beyond the Support on the girders. The rolled Steel girders should be anchored to the abutments with bed plate and bolts to avoid tilting. The railings should not be Supported on the Slab, but only on the abutments

The estimate may be resubmitted for sanction, after

4

effecting the above alterations

14.4.53

14.4.53

15.4.53

C
154/53

By regd post

To the P.E.O. Mangalore
(with enclosures)

RB 4 weeks.

Cpd 23/4/53

17/4

Ref.C.No.231/53-B.

Office of the Project Executive Officer,
South Kanara, Mangalore, Dt. 28-4-1953.

ACCOUNTS & STATISTICS
COMMUNITY PROJECTS
To 1 MAY 1953
PUBLIC HEALTH

8622

From

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects
and Ex-Officio Secretary to Govt.,
Madras 9.

Sir,

Sub: Community Projects - South Kanara District - Communications - Construction of a foot-bridge at Dabbeli - Revised estimate - Submitted.

Ref: Govt.Memo.No. 6032 Pub.(C.P.Audit)/53-1 dated 15-4-1953.

****

The estimate has been revised with reference to the remarks contained in the Government Memorandum cited. The enclosed report dated 26-4-1953 of the Senior Supervisor, Mangalore may kindly be perused in this connection. The estimated cost of the work now comes to Rs. 1,300/- As the villagers are contributing 1/3rd of the cost which comes to Rs. 433/- the estimate may be sanctioned for Rs. 867/-

Enclosure: Estimate in duplicate.

PROJECT EXECUTIVE OFFICER

Pub (C.P. audit) Dept.

(Cno 6032/53)

Go. Ms. 1205 dt. 7-5-1953

Abstract. Community Projects - South Kanara Area - Communications - Construction of a foot bridge at Dabbeli in Harekala Village - Estimate - Sanctioned

Read - From the PEO. Mangalore - Ref BC No 231/53-B dt 28/4/53

Orders -

Sanction is accorded to an expenditure not exceeding Rs 833/- (Rupees Eight hundred and thirty three only) being two thirds of the cost of Rs 1250 for constructing a foot bridge at Dabbeli in Harekala village. The balance of Rs 417, required to complete the work should be met by contribution from the beneficiaries

2. The expenditure should be debited to "63B. Community Development Projects II Community Projects - h. Communications 4. Works."

3. The PEO. Mangalore should get the work executed according to the plan and estimate hereunto returned approved and submit a completion report to Govt. in due course

By order of the Governor

S. Ramachandran
Secretary to Government

To The PEO. & Mangalore. (with enclosures)
The Accy. Madras
Copy to Pub C.P. (Accts) Dept.
" " Pub C.P. (Tech) Dept.
" " Sri A. Balakrishnan BA BL (Aby. Madras)
SF - 3 in
Copy to PWD Sec.
B. 4 months.

entered in C.B. as item no. 46 dt. 65/53

o/c of est. received 12-5-53

Copies taken for S-7

A ರಿಜಿಸ್ಟ್ರಿ.

ದಕ್ಷಿಣ ಕನ್ನಡ ಜಿಲ್ಲೆಯ ಮಂಗಳೂರು ತಾಲೂಕು ನಂಬ್ರ 10 ನೇ ಕಡೆಗಳ್ಳ ಗ್ರಾಮದ ಸರ್ವೆ ಮತ್ತು ಸೆಟ್ಲ್‌ಮೆಂಟ್ ರಿಜಿಸ್ಟ್ರಿ 136 ನೇ ಪುಸ್ತಕ ಬಗ್ಗೆ

R.F: III-C—1—17,334—16-12-49.

ಸರ್ವೆ ನಂಬ್ರ. (1)	ಸೆಟ್ಲ್‌ಮೆಂಟ್ ನಂಬ್ರ. (2)	ಹಳೆ ಸರ್ವೆ ಮತ್ತು ಸೆಟ್ಲ್‌ಮೆಂಟ್ ನಂಬ್ರ. (3)	ನಂಬ್ರ (ನ. I = ನ ನ ಕ್ಲಾಸ್ ನಂಬ್ರ, II = ನ ನ ಕ್ಲಾಸ್ ನಂಬ್ರ, ನ. III = ಕ್ಲಾಸ್ ನಂಬ್ರ), ಆಗ್ರಾ (ಬಾ.), ಫ್ರೂಪ್ (ಫ್ರೈ.), ತೀರ್ವೆ ಹೊರಿಸಬೇಕಾದ ಮೊತ್ತ (ತೀ.), ಹೊರಿಸದೆ ಇರಿಸಿದ ಮೊತ್ತ (ಹೊ.). (4)	ಒಂದು ಬೆಳೆ (1) - ರಸ್ತಾ - ಎರಡು ಬೆಳೆ (2). (5)	ಮಣ್ಣಿನ ಕ್ಲಾಸ್ ಮತ್ತು ತೆರಿ. (6)	ತೆರಿಗೆ. (7)	ಎಸ್ಟೇಟ್ 1 ರ ಪರ. (8)	ವಿಸ್ತೀರ್ಣ. (9)	ಟಿ ವೆ. (10)	ಪಟ್ಟಾದಾರನ ನಂಬ್ರ ಮತ್ತು ಹೆಸರು. (11)	ಹುಲ್ಲುಗೋಡಿದಾರ ಅಥವ ಹೆಸರು. (12)	ಷರಾ. (13)
							ರೂ. ಆ. ಪೈ.	ಎ. ಸೆ	ರೂ ಆ.			
278			ಕೆಡಿಂ					65				ಕೆಲಿಯ

Dharaiah
Dharaiah
23/3/57

[P.T.O.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
							ರೂ. ಆ.	ಎ. ಸೆ.	ರೂ. ಆ.			

ಅನುಜ್ಞೆಗಳು.—ಸೆಟ್ಲ್‌ಮೆಂಟ ಡಿಗ್ಲೊಹ ಯಾನೆ ಇಂಗ್ಲೀಷ್ ಪ್ರದೇಶಭಾಷೆ ರಿಜಿಸ್ಟ್ರಿ ಮತ್ತು ವೃತ್ತಾಂತವು ಕಾಯಂ A ರಿಜಿಸ್ಟ್ರಿಗೆ ಆಧಾರವಾಗಿದೆ. ಜಮೀ
ಒಂದಿ ನಂತರ ಪಟ್ಟಿ ಮೇಲೆ ಕೊಡೋಷ್ಟಾದ ಖಾಲಿ ಸ್ಥಳಗಳಲ್ಲಿ ಮುಂತಾದ ಕಾಯಂ ಸ್ವಭಾವದ ಎಲ್ಲಾ ತಿದ್ದೀಲುಗಳನ್ನು ಸೆಂಕ್ಷನ್ ಮಾಡಿದ ಹುಕುಮಿನ ನಂಬ್ರ - ವ -
ತಾರೀಕು ನಿಶಿ ಪರಾ ಕಲಮಿನಲ್ಲಿ ಜಾಸ್ತಿ ತಾರೀಕು ವರೇಗೆ ದಾಖಲು ಮಾಡತಕ್ಕದ್ದು. ಕೆಪಿನ್ಯೂ ಮಾತುಗಳ ಬದಲಿಗೆ ಸಂಜ್ಞಾಕ್ಷರಗಳನ್ನು ಉಪಯೋಗಿಸಬಹುದು.
ಉದಾಹರಣೆ—ಪ್ರಂಜಕ್ಕೆ "ಪ್ರ." ನಂಜಕ್ಕೆ "ನ" ಪೊರಂಬೋಕಿಗೆ "ಪೊ." ಮತ್ತು ಬಾಗ್ಯಾತಿಗೆ "ಬಾ."

ಪರಾ ಕಲಮಿನಲ್ಲಿ ಪೊರಂಬೋಕಿನ ವಿವರಣೆಯನ್ನು ಕಾಣಿಸತಕ್ಕದ್ದು. ದೃಷ್ಟಾಂತ, ದೇವಸ್ಥಾನ, ತೋಡು ಹೊಲವು, ಕುಮ್ರಿ - ಯಾ - ಕಟ್ಟೋಣ
ಸ್ಥಳಸ್ಥೋ; ವಿಶೇಷ ದರಗಳಲ್ಲಿ ತೀರ್ಪಿ ಹೊರಿಸಲ್ಪಟ್ಟ ಇತರ ಪರದ ಭೂಮಿಯೋ ಎಂಬಪನ್ನು ಕಾಣಿಸತಕ್ಕದ್ದು.

Report to accompany the estimate for the Construction of a foot-bridge 4'-0" wide at Dekali in Harekala Village in Mangalore Taluk.

894-53B

Est Amount Rs ~~1400/-~~ 1300/-

The above estimate is prepared for the construction of a foot-bridge 4'-0" wide in Dekali in Harekal Village in Mangalore Taluk. This Village is Situated on the ~~left~~ Right Side of Mangalore Harcara Road at 7th Mile. The Village is nearly 1½ miles from the main road and a ferry over River Netravathi is to be crossed to ~~the~~ reach this. The necessity for this foot bridge is greatly felt by the Villagers during the Monsoon when this Stream get full. In addition to the Catchment water of the nearby hill side there will be backing of the water from the River Netravathi which is quite close & hence the bottom level of the I beam proposed for the foot bridge has been kept 2'-0" above M.F.L. So as to be Safe during heavy ~~monsoon~~ flood. The linear water way of the Stream is 10'-0" & the clear Span of the foot bridge is also kept at 10'-0". Since the Soil is Sandy mixed with pebbles to a depth of about 3'-0" the proposed foundation is taken to a total depth of 5'-0" out of which 2'-0" will be Concrete of 1:5:10 with 1'-0" (Cu Mtrs do) Offset on all Sides. (1'-0" offset is required as generally offset is made as ½T. where T = Thickness of wall & in this case it is the minimum that is given.) Rough Stone Masonry in C.M 1:4 has been provided for the abutments. The top width of abutment is 2'-0" & 0.4 Hunit do base width has been proposed for the bottom. (0.6 H) Two Nos of I beam of Size 5x3 at 3'-0" centre to centre has been Spanned over this (Details of the design of I beam is Separately attached) with bed plates of 0'-6"x0'-6"x3/8" Over the beam Precast R.C Slab 1:2:4 of 3" thick with nominal re-inforcement (the cranking the alternate rods which will be done during execution as there is not much load Coming over this) is laid at right angles to the beam. Wooden posts of 0'-6" x 0'-6" Sized Teakwood has been provided for fixing the hand rails of 1" dia Black pipe hand rails in 2 rows will be fixed.

Since the existing Banks on either Side will be Submerged to a depth of 2'-0" when there is flood in the adjacent river

the existing banks has been proposed to be raised ~~about~~ above the safe level of the flood and rough stone masonry steps have been provided on both banks to get up on the foot bridge. Lump sum has been provided in the estimate for extra earth work involved to raise the banks on either side. Earth filling will be done to a width of 8'-0" with side slope 1:1. Rough stone dry packing 1'-0" thick has been proposed on sides to a height of 0'-6" above H.F.L. The sides of the stream is already revetted & with Rough stone dry packing of this revetment will be dismantled only to the minimum width necessary for construction of the abutments on either banks. In the attached plan of the foot bridge, details of the fixing of I beam & slab over it has been shown seperately on a bigger scale. A Lump Sum has been provided in the estimate for making cut water & fairing wood work and I beams etc. The rates provided are as per the current Schedule of rates of the work can be executed by the Community Project department.

Bhagwandas Rao
7.E 26/3/53.

A.M.R. Amarchinthaya
Sup. Mangalore
Community Project S.K
Mangalore.
16/3/53.

Name of work :- Construction of a foot bridge 4'-0" wide at Dehali in Harikal Village in Mangalore Taluk.

Calculation Sheet for the design of I beam :-

Clear Span — : 10'-0"
Effective Span — : 10.4

Assume a beam of Section 5"x3".

Dead load due to the R.C. Slab alone = $10.4 \times \frac{3}{12} \times 1' \times 150$ lbs = 1560 lbs
Live load — = $10 \times 4 \times 80$ lbs — = 3200 lbs
Self wt of the girders — — = 11 lbs / ft run — = 264 "
wt of hand rails, posts — — — = 16 "
Total = 5040 lbs

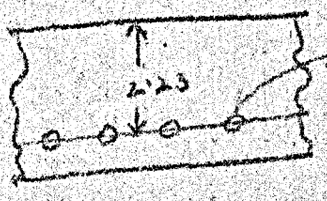
∴ Load on one beam — = $\frac{5040}{2}$ = 2520 lbs / r
or say 1.12 To

Safe distributed loads in tons as per the British Standard beams for Span of 12'-0" and of Section 5"x3" — — — — — } 2 Tons against 1.1

Hence the Section provided is safe —

Design of R.C. Slab :-

Clear Span — = 3'-0".
Stress allowed for Concrete mix 1:2:4
m = 15 ; fc = 750 lbs ; Fs = 18,000 lbs/□"



Dead load due to deck slab = $\frac{3}{12} \times 150$ lbs = 37½ lbs/□"
Live load — = 80 lbs/□' = 80 "
Total = 117½ lbs/□'

Effective Span = 3'-3" = 3.25 Assume a thickness of 3" slab

B.M = $\frac{117\frac{1}{2} \times 3.25 \times 3.25 \times 12}{8}$ = 1862

d² = 1862

$d^2 = 1862$

$d = \sqrt{\frac{1862}{126 \times 12}} = 1.14$

Assume 1/4" rods

D = 1.14 + 0.125 + 0.75 + 0.125 = 2.52

= 2.39 or say 3"

Hence 3" thick slab is safe.

Effective depth = 3 − (1.25 + 0.125)

= 1.625

or 1.63

Area of Steel. = 0.008 × 12 × 1.14

= 11.

$A_s = \frac{M}{F_s . j d}$

$= \frac{1862}{1800 \times 0.88 \times 1.63}$

$= 0.072.89$

The area of 1/4" dia rods = 0.49 sq"

Spacing — $= \frac{4.9}{11} = 4.$ cms c to c.

But the spacing should not exceed $2d = 2 \times 1.14 = 3.26$ or 3" ✓

Area of distributions $= \frac{1}{5} \times 11$

$= 0.02$ sq"

Adopting 1/4" Dia rods spacing $= \frac{12 \times 0.49}{0.2} = 29$"

= 7" centres ✓

PWR Examination

Supt. Mangalore

Comml. Project S.H

Mangalore

13/2/53

Bhuvaneshwar Rao

J.E. 26/2/53

P.W.D. V—39—1,54,560—28-6-54.

Data sheet to accompany the estimate for :— Construction of 15

~~a foot bridge at 4'-0" at Dehali.~~

Quantity.	Description of work.	Rate. Rs.	A.	P.	Per.	Amount. Rs.	A.	P.	Total.
	Concrete in hard broken Stone 1½" Size in C.H 1:5:10 :— 100 c/ft								
100 c/ft	1½" Size stone as per S.S. 33C	23	0	0	100 c/ft	23	0	0	
	Lead for stone 2 furlongs head load from nearby hill	6	14	0	100 c/ft	6	14	0	
50 c/ft	Sand as per S.S. 36A	2	8	0	100 c/ft	1	4	0	
	Lead for sand 3 furlongs head load from River Netravathi	8	3	0	100 c/ft	4	1	6	
100 c/ft	Cement cost	~~90~~ 87	~~0~~ 8	~~0~~ -	25 c/ft	~~36~~ 35	~~0~~ -	~~0~~ -	
	Cement lead 7 miles by boat from Mangalore ½ mile by head load from Bandoor to boat Side & ½ mile from boat side to the work Side by head load. 5 mile by boat = 14-1-0 4 half mile extra at 1-2-9/half mile = 4-11-0 4 furlongs head load = 10-14-0 8 half furlong extra @ 1-5-0/half mile = 10-8-0 Total = 40-2-0	40	2	0	100 c/ft	4	0	2	
	Labour								
½ No	Mason 2nd class	2 ~~3~~	12 ~~2~~	0 ~~0~~	each	1 ~~1~~	6 ~~9~~	0 ~~0~~	vide abstract Schedule 53/54
5 Nos	Man Hand boy	1	8	0	"	7	8	0	—
4 Nos	Women "	0	12	0	"	3	0	0	—
50 c/ft	For Mixing mortar	4	8	0	100 c/ft	2	4	0	or Say

P.W.D. V,-88--1,54,860--20-6-58

Data sheet to accompany the estimate for _____

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
	Cement mortar 1:2	Rs. A. P.		Rs. A. P.	
100 c/ft	Sand as above	2 8 0	100 c/ft	2 8 0	
"	Lead for Sand as above	8 3 0	"	8 3 0	
25 c/ft	Cement as above	87 8 -	2.5 c/ft	87 8 -	
"	Cement Lead as above	40 2 "	100 c/ft	0 0 6	
100 c/ft	Hajipur mortar	4 8 0	"	4 8 0	
	Sundries			0 0 6	
	Total			112 12 0	
111	Random rubble masonry in C.M. (1:4)				
	100 c/ft				
110 c/ft	Rough stone as per S.O. 22 B	16 0 0	100 c/ft	17 9 7	
"	Lead for Stone as above	6 14 0	"	7 9 0	
34 c/ft	Cement mortar as above	112 12 0	"	38 5 4	
	Labour				
2 Nos	Mason 2nd class	2 12 0	each	13 12 -	
4 Nos	Man Mazdoor	1 8 0	"	6 0 0	
4 Nos	Women "	0 12 0	"	3 0 0	
	Sundries			0 4 1	
				88 8 0	86 8 0
	Cement Concrete for the different Cement work 1:2:4 = 100 c/ft				88-4-0
96 c/ft	Broken stone 3½" Gauge as per S.O. 33 B	42 0 0	100 c/ft	40 5 1	
"	Lead for Stone as above	6 14 0	"	6 9 7	
2 c/ft	Cement as above	87 8 -	2.5 c/ft	84 0 0	
"	Cement Lead as above	40 2 0	100 c/ft	9 10 1	
48 c/ft	Sand as above	2 8 0	"	1 3 2	

P.W.D. V,—39—1,54,860—20-6-53

Data sheet to accompany the estimate for

Quantity.	Description of work.	Rate.	Per.	Amount.	Total.
		Rs. A. P.		Rs. A. P.	
	B. F. - - -	-		141 11 11	
48 cft	Lead for Sand as above	8 3 0	100 cft	3 14 11	
	Labour. 2nd class				
1 No.	Mason 1st class	3 2 12-		2-12-0	Addendum & schedule for 52-53 (to be applied for 53-54 also)
6 Nos.	Man Mazdoor - -	1 8 0	"	9 0 0	
4/0 Nos.	Woman "	0 12 0	"	7 8 0	
	Sundries			0 3 2	
	Total - -			165 8 0	Rs 652.0
IV	Re-inforced Concrete Slabs (1:2:4)				
1 cft.					
1 cft	of cement broken stone in CM 1:2 for R.C. work	165 2 0 / 168 0 0	100 cft	1 10 5 / 1 10 11	
Rs 4 ths 20- 5-12-0	of steel reinforcement bending & fixing in place	25 12-	Cwt.	0 14 10	
4 Sq ft	centering as per S.M. 39 A	0 11 3	1 Sq ft	2 13- / 3 29	
	Sundries Conveying rods etc.			0 1 10	
	Total - -			5 0 0	or Say 5-0-0.
V	Supplying & fixing I beam of Size 5" x 3" :- 1 beam				As current rate.
1 beam or 132 lbs	wt of 1 beam of 12'-0" in lbs at 11 lbs / ft - lbs = 132 lbs + wt of head plate 0-6"x0-6"x 3/8" @ 15 lbs / superficial foot - - = 8 / 140 lbs @ 0-4-0 lbs			35 - - / 52 0 0 / 49 8 0	Local rate
1 beam or 132 lbs + 2 hd plates for each beam Total 140 lbs	Cost - -				
	Lead from Mangalore. 7 miles by boat & 1 mile by head load.				
	5½ miles by boat @ 2-13-0/1000 lbs - - =	0-6-4 / 0-5-11		3 8 2	
	4 half mile by lbs @ 0-3-9/1000 lbs - - =	0-2-1 / 0-0-6		3 8 2	
	4 furlongs head load @ 1 cwt - - =	1-8-3 / 2-6-11		4 3 6	
				7 10	38-8-2 / 1-2-10
					39-11-0

1 beam of 132 lbs + 2 hd plates for each beam

P.W.D. 7—46—1,84,500—28-5-

Data sheet to accompany the estimate for

— 4 —

Quantity.	Description of work.	Rate.			Per.	Amount.			Total
		Rs.	a.	P.		Rs.	a.	P.	
	B. F.					53	8	2	
1 No.	For fixing Shelf with painting 2 coats with anti-corrosive paint and Sundries					1	3	0	✓
						2	0	10	✓
	Total					56	12	0	✓ Say 56/12/0 for each item
VI	Country wood work in frame & fixing								
1 Cft.	C. w. Scantlings Small as per Sketch	7	0	0	Cft.	7	0	0	✓
½ No.	Carpenter 1st class	3	6	0	each	1	11	0	✓
1 No.	Main Hanger	1	8	0	"	1	8	0	✓
L.S.	Sundries viz Screws Nails etc					0	5	0	✓
	Total					10	8	0	✓ Say 10-8-0
~~VII~~	~~1" Dia Black pipe~~	~~1~~	~~8~~	~~-~~	~~Rft~~	~~1~~	~~8~~	~~0~~	~~Cancelled~~
VIII	Rough Stone dry packing for foundations of Machine :- 110 Cft.								
110 Cft.	Rough Stone (including Spalls for filling & wedging) as per S.D. 22 B	16	0	0	100 Cft.	17	9	7	✓
"	Land for Stone as above	6	14	0	"	7	7	0	✓
	Labour								
1 No.	Wooden as per S.D. 16	3	0	0	each	3	0	0	✓
3 Nos.	Main Hanger	1	8	0	"	4	8	0	✓
2 Nos.	Wrench	0	12	0	"	1	8	0	✓
	Sundries					0	1	5	✓
	Total					36	0	0	✓ Say 36-0-0

Certified that the rates & details furnished are correct & in accordance with the Schedule.

Bhagwandas Rai

Sub-Hanger

DETAILED ESTIMATE.

384,306—24-10-51. C.F. 150 (1)

District :- South Kanara. Taluk :- Mangalore.

Village and Survey :- Dehali in Haukal Village Date and cost of original construction

Name and number of work :- Construction of a foot bridge of 4'-0" wide at Dehali in Haukal village. Date and cost of last repairs

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
I Earthwork excavation in all soils for foundation filling in basement etc & also for filling the banks	—	LS			LS	LS.
II Concrete in hard broken stone 1½" Gauge in C.M 1:5 :-						
For foundation of abutments	1×2	8'-0"	6'-0" / ~~7'-0"~~	2'-0"	192 cft / ~~224 cft~~	200 cft / ~~225 cft~~ or Say
III Random rubble masonry in C.M 1:4 :-						
For abutments - - -	1×2	6'-0"	4'+2' / 5'+2' / 2	10'-0"	360 / ~~420~~	
For the steps on left bank 1st footing	1	4'-0"	1'-0"	1'-0"	4	
-do- 2nd step - -	1	4'-0"	2'-0"	1'-0"	8	
-do- 3rd step - - -	1	4'-0"	3'-0"	1'-0"	12	
-do- 4th step - -	1	4'-0"	4'-0"	1'-0"	16	
-do- 5th step - -	1	4'-0"	5'-0"	1'-0"	20	
For the steps on Right bank 1st step	1	3'-6"	1'-0"	1'-0"	4	
-do- 2nd step - -	1	3'-6"	2'-0"	1'-0"	7	
-do- 3rd step -	1	3'-6"	3'-0"	1'-0"	11	
-do- 4th step -	1	3'-6"	4'-0"	1'-0"	14	
-do- 5th step -	1	3'-6"	5'-0"	1'-0"	18	
-do- 6th step -	1	3'-6"	6'-0"	1'-0"	21	
Total - - -					~~555 cft~~ / 495 cft	500 cft / ~~560 cft~~ or Say
IV R.C. 1:2:4 of ¾" Gauge Jelly for deck slab :-						
For deck slab - - -	1	12'-0"	4'-0"	0'-3"	12 cft	12 cft or Say
V Supplying & fixing I beam of Gauge 5" x 3 with bed plate 9'-6" x 0'-6" x ⅜" Gauge & anchored to R.C abutment					2 Nos.	or 2 Nos / ~~or Say 2~~
VI C.W. arranging & put up :-						
For wooden posts for hand rails fixing	2×3	0'-3" / 0'-6"	0'-4" / 0'-6"	2'-9"	2.45 or / ~~4.12 cft~~	2.5 cft / ~~Say 4.50 cft~~ or
VII 1" Dia Black pipe :-					50 Rft	or Say 50 Rft
	2×2	12'-6"				

C.F. 150 (1)

Details of work.	Number.	Measurement in feet. Length.	Breadth.	Depth.	Area or contents.	Total quantity of each description of work.
VIII Rough stone dry packing for aprons & revetments :-						
Sides of new fillup	1x2	8'-6"	$\frac{22'+12'}{2}$	1'-0"	289	
ends	2x2	8'-6"	$\frac{7'+2'}{2}$	1'-0"	153	
On top of fillup on old embankments on left bank.	1x2	7'-0"	5'-0"	1'-0"	70	
-do- on Right bank	1x2	4'-0"	5'-0"	1'-0"	40	
				Total	552	
Deduct for :-						
Steps on left bank	1	4'-0"	5'-0"	1'-0"	20	
-do- Rt bank	1	3'-6"	5'-0"	1'-0"	18	
				Total	38	
Net total less deduction		—	552 —	38	514 cft or Say 525 cft	
IX For unforseen items such as bailing out water, farming wood work etc					L.S.	L.S.
X For Petty Supervision & Contingencies					L.S.	L.S.

P. Bhagavandas Rao
J.E
26/3/53

P.R. Ramakrishnan
Supt. Mangalore.
Community Project S.K.
14/3/53.

Name of work:- Construction of a footbridge at Dibrugarh

Abstract Estimate. C.P. 150 (2)

Quantity. (1)	Description of work. (2)	Item number in the schedule of rates. (3)	Rate. (4) Rs.	A.	P.	Per (5)	Total. (6) Rs.	A.	P.	Amount. (7) Rs.	A.	P.	
I	1.5	Earth work in excavation in all soils for foundation, filling in sides & ramming etc & also for filling & ramming.					1.5			75	-	-	75
II	200 cft	Concrete in hard broken stone 1½" gauge in C.M. 1:5:10	89	12	2	100 cft	200			167	-	-	167
III	500 cft	Random rubble masonry in C.M. 1:4	86	8	4	100 cft	500			433	-	-	433
IV	12 cft	R.C. Slab 1:2:4; ¾" gauge metal	5	-	-	1 cft	12			60	-	-	60
V	2 Nos & beam	Supplying & fixing I beam & Steel 5" x 3" & painting 2 coats with anti-corrosive paint	40	-	-	1 beam with end plate	2			80	-	-	80
VI	2.5 cft	Country wood wrought & put up	10	8	0	1 cft	2.5			26	-	-	26
VII	50 Rft	1" Dia Black pipe for hand rails fixed in position				X.S.				75	-	-	75
VIII	525 cft	Rough stone dry packing for apron & revetments	34	4	0	100 cft	525			180	-	-	180
IX	1.5	For unforeseen items such as bailing out water, ramming & wooden posts & also for bracing beams & for bolts etc.				1.5				100	-	-	100
X	1.5	For petty Supervision & Contingencies				1.5				54	-	-	54
										1250			
		Supervision charges at 5 per cent.								63	-	-	63
		Grand total, Estimate								1300	-	-	1300

Divisional officer (or other countersigning officer to be named).

Sanctioned for 19 -19 .

Collector or other sanctioning officer (to be named).

Signature and designation of the officer submitting this estimate.

Sub Manager
C.P. 8/10/59

26/9/59.

Tahsildar or other officer (to be named).

92

C.No bo 32/53
40.1/s 1205/ 7-5-53

Specification

Technically Scrutiny Co
Sd/- Kunhan
Supdg. C.P. 4-5-53

PROJECT EXECUTIVE OFFICE
17 MAR 1953
MANGALORE

342,006—24-10-51.

District :- South Kanara

Taluk :- Mangalore

Village No. :- Harekal

Name of Work No. :- Construction of a foot-bridge ~~at~~ 4'-0" wide at Dehali in Harekal Village in Mangalore Taluk..

Amount of est. Rs 1258/-
" Contribution Rs 417/-
" Sanction Rs 833/-

ESTIMATE ABSTRACT.

Budget head

Main head

Sub-head

Sanctioned for Rs 832/-
(Rupees Eight hundred and thirty Three only)

Amount of estimate :- Rs ~~1100~~ +300/- 1250/-

Sanction number and date

To be carried out by :- The Community Project S.K.

For D.E.P
3/5/53
4-5-53 Sd/-
5/5/53
7/5/53

Public (C.P.Audit) Department.

Memorandum No.25322 Public (C.P.Audit)/53-1 d/- 27-9-53

Sub:- Community Projects - Sonthi Kanara Area - Construction of a foot bridge at Dabbeli in Harekala Village - Completion report.

Ref:- G.O.No.Ms./1205 Public (C.P.) Dept., d/- 7/8-'53.

The Project Executive Officer, Mangalore is requested to expedite the submission of the completion report called for in the Government Order cited.

To the P.E.O., Mangalore

(R.D. 1 month)

Ref.C.No.231/53-B.

Project Executive Office, S.K.
Mangalore, d/- 18th September 1953.

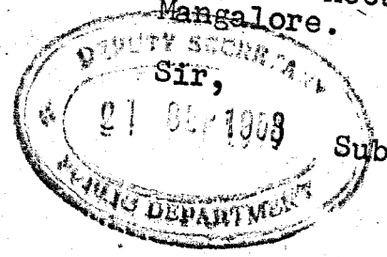
From

Sri G.Simhadri, B.A.,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects
and Ex-Officio Secretary to Govt.,
Fort St.George, Madras 9.

26643



Sir,

.....

Sub: COMMUNITY PROJECTS - South Kanara area - Communications - Foot bridge at Dabbeli in Harekala village - Completion report.

Ref: Government Memorandum No. 25322, Public (C.P.Audit)/53-1 dated 4-9-1953.

.....

The work has been completed. Instructions have been solicited in this office Ref.C.No.84/53-B dated 27-8-1953 in reply to Government Memorandum No. 7976, Public (C.P.Audit)/53-2 dated 9-7-1953 regarding the procedure to be followed in making payment for baling water incurred by the beneficiaries executing the works. As payment for baling water is involved in this case also, the completion report can be submitted only after orders are received on the instructions solicited.

PROJECT EXECUTIVE OFFICER.

31656 5 27

Ref.C.No.231/53 Project Executive Office, S.K. Mangalore, d/- 26th November 1953.

ACCOUNTS OFFICER (COMMUNITY PROJECTS.) MADRAS. REC'D 1953 DEPT.

From

Sri H.Narasimha Rao,
Project Executive Officer,
Mangalore.

To

The Director of Community Projects,
Agriculture, (C.P.) Department,
Fort St.George, Madras 9.

.....

Sir,

Sub: Community Projects - South Kanara - Communications - Construction of a foot bridge at Dabbeli in Harekala village - Completion - Report submitted.

Ref: G.O.Ms.No.1205 Public (C.P.) Dept., dated 7-5-1953.

.....

I submit herewith the completion report and the site plan for the construction of a foot bridge at Dabbeli in Harekala village, sanctioned in G.O. cited above. The foot bridge was constructed at a cost of Rs. 973-8-0, out of which Rs. 649-0-0 was the amount spent from Community Project funds and the balance of Rs. 324-8-0 represents the value of contribution received towards the work.

Rs 2532/74 (1)

PROJECT EXECUTIVE OFFICER.
26/11/53

Copy submitted to the Accountant General, Madras with a copy of the completion report.

27/11

T/27.11.

(1) Earthwork excavation for foundation, filling in basement etc complying with Standard Specification No: 20B. with in initial lead & lift in ordinary gravel (Vide P17/HBk 7)	2.5	18	14	0	75	0	3748 cft	18	14	0	70	12	0	-	- - - 4 4 0 Found sufficient excess
(2) Cement Concrete 1:5:10 in hard broken Stone 1½" Size (Vide P17/HBk 7)	200 cft	88	8	0	177	-	- 200 cft	88	8	0	177	-	-	-	- - - - - - - No figures Rs 1 noted in the est seem to be a for Rs 177 - -
(3) Random rubble masonry in C.M 1:4 (Vide P17/HBk) - -	500 cft	86	8	0	433	-	- 498 cft	86	8	0	430	12	-	2 cft	86 8 0 2 4 0 Found sufficien excess
(4) R.C.C 1:2:4 of ¾" Size Jelly for decking Slab (Vide P17/HBk 7) -	12 cft	5	0	0	60	-	- 12 cft	5	0	0	60	-	-	-	- - - - - - - - -
(5) Supplying and fixing at Site I beam of Size 5"x3" with bed plate 0'-6"x0'-6"x3/8" and anchors complete alignment including painting 2 coats with anticorrosive paint (Vide P17/HBk 7) -	2 Nos of beam	40	0	0	80	-	- 2 Nos of beam	40	0	0	80	-	-	-	- - - - - - - - - - - -
					825	0	0				818	8	0		- - - - - 6 8 0

C-O.

5/53. 7/53.

Ref. No. 27/53 / C-No. 231/53-B.

Name of work:- Construction of a foot-bridge at Community Project DEPARTMENT. Sankt Kanara, Mangalore. C.F. 293
Dekalli in Harekala Village. Est. Rs 1250/- Sanctioned for Rs 833/- Contribution Rs 417/-.

Completion Report.

No. of the Estimate. (1)	Date of Commencement. (2)	Date of Completion. (3)	Passing by the (4)	Particulars. (5)	As estimated. Quantity. (6)	As estimated. Rate. (7)	As estimated. Amount. (8)	As executed. Quantity. (9)	As executed. Rate. (10)	As executed. Amount. (11)	Difference (excess to be shown in red ink). Quantity. (12)	Difference. Rate. (13)	Difference. Amount. (14)	Explanation for the difference. (15)
Sanctioned in G.O.No. Nil. Dt. 12.5.53 C.P.dt. 7.5.53. Est. No. 27/53/Eng. No. 231/53-B.	5/53.	7/53.		B.F.	—	RS. A. P. — — —	RS. A. P. 825 0 0	—	RS. A. P. — — —	RS. A. P. 818 8 0	—	RS. A. P. — — —	RS. A. P. 6 8 0	
				(6) Country wood wrought and put up (Vide P.18 of MBK. 7)	2·5 cft.	10 8 0	26 — —	2·9 cft.	10 8 0	30 7 0	0·4 cft.	10 8 0	4 7 0	Wooden Hand rail not provided in the estimate. 1" dia. Black pipe provided in the estimate. The excess is necessitated
				(7) Rough stone dry packing for aprons & revetments (Vide P.18 of MBK. 7)	525 cft.	3 4 4 0	180 — —	357 cft.	3 4 4 0	122 4 0	168 cft.	3 4 4 0	57 12 0	
				(8) Jarring with coal Tar 2 Coats (Vide P.18 of MBK. 7)	L.S.	— — —	— — —	51 Sq ft.	4 8 0	2 5 0	51 Sq ft.	4 8 0	2 5 0	Only Lump Sum provided in the estimate.
				(9) 1" Dia. Black pipe for hand rails (vide estimate)	L.S.	— — —	75 — —	—	— — —	— — —	L.S.	— — —	75 — —	not provided.
				(10) For unforseen items such as taking out water, barring & fluctuations in rates etc.	L.S.	— — —	100 — —	— —	— — —	— — —	L.S.	— — —	100 — —	Found not essential hence omitted.
				(11) For petty Supervision & Contingencies	L.S.	— — —	54 — —	— —	— — —	— — —	L.S.	— — —	54 — —	Found not necessary during execution
						Total	1260 0 0						293 4 0 6-12-0	

286-8-0 → Savings in K

Total .. 973-8-0
Amount actually paid from CD funds
Amount paid .. 649 - -
Value Contribution by beneficiaries
Amount of 15 per cent deductions withheld .. 324 8

Dated 6 - 8 - 1953.

P.T.R. Ramaswamy
Designation. Supdg. Community Proj. 6/

Certified that I have examined the work from time to time whilst in progress and that it has been executed in a substantial and satisfactory manner as regards materials and workmanship and that it corresponds with the exemption noted above with the sanctioned plan and estimate.

Dated

H. Narasimha
26/11/53
Project Executive Officer, Mangalore.

L. A. Crasto
13/8/53
Designation.

75,452—19-11-52.

FROM

THE

TO

THE

Madras.

Dated
Despatched } 19

Bill No. of 19 -19

Work :—Estimate No. for

Authority—

How executed { Contract / Piece-work / Daily labour }

No. and page of the Measurement Book in which the items are recorded. } Work Pages 17 & 18 of Measurement Book No 7.

Instructions.

This form should be submitted to with the progress report of the month in which the completion of the work is reported, care being taken that the entries in it agree with the entries in the progress report and in the Measurement Book and with the vouchers submitted.

2. It should exhibit clearly any deviation made from the sanctioned estimate and the purpose for which the amount provided under Contingencies has been utilized. The total amount payable on the work turned out, the sum actually *paid* and 15 per cent deductions withheld should be indicated.

3. The officer in paragraph 1 should check the details when he passes the work correcting, if necessary, the quantities entered under column "As EXECUTED" in red ink. He should also see whether the entries in the report accord with those in the Measurement Book and the Nominal Roll.

4. After the work is passed the officer in paragraph 1 will sign the certificate at the foot of the form with any remarks he may have to offer and despatch the report with the sanctioned estimate forthwith to the Board. *Facsimile* signatures should not be used in the certificate.

5. In the case of maintenance work as upkeep of platforms and the like in the Salt Department, the officer in paragraph 1 must see that the sanctioned scale has been adhered to and that the allotment has been properly utilized.

1) Certified that the work has been completed as per the Sanctioned plan and all authorised deviations noted in plan in Red Ink.

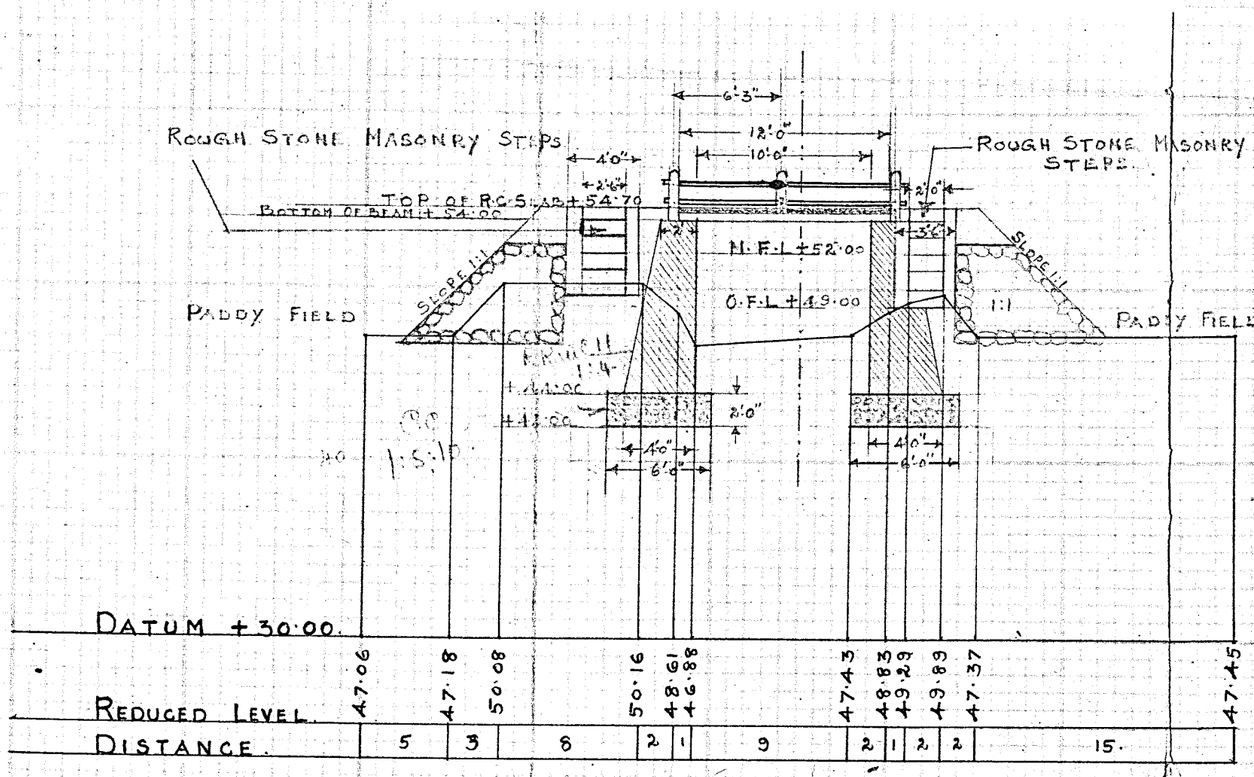
2) Certified that no materials are outstanding from the Contractor in this work.

3) Certified further that no liability is due to the Contractor for this estimate.

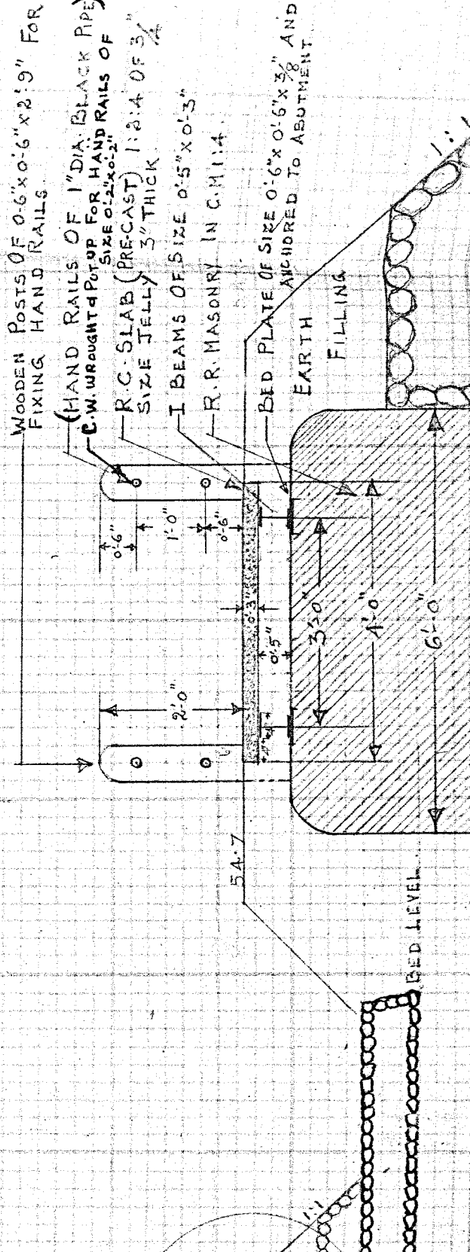
P.M.R. Ramanathan
Sub. Magal
C-P. S.K. Mang
C.F. 296. 6/8/54

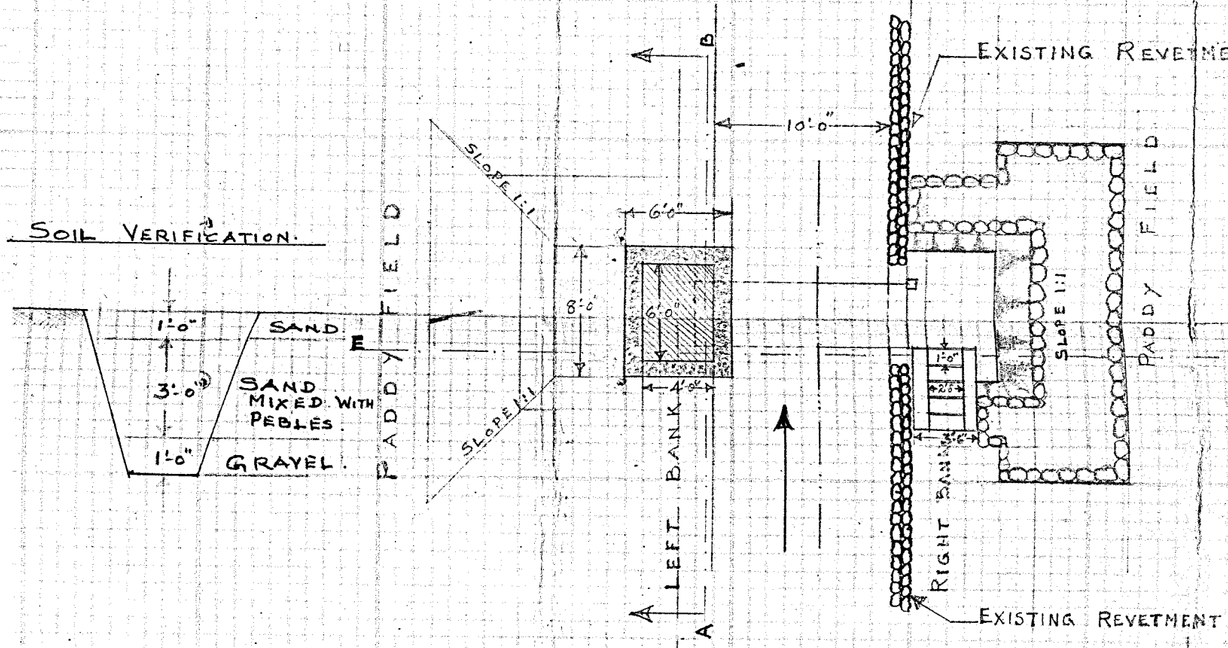
23

DISTRICT:- SOUTH KANARA.
TALUK :- MANGALORE.
VILLAGE:- HAREKAL.



LONGITUDINAL SECTION ALONG E.F.


WOODEN POSTS OF 0.6"x0.6"x2'9" FOR FIXING HAND RAILS.
HAND RAILS OF 1" DIA. BLACK PIPE C.W. WROUGHT & PUT UP FOR HAND RAILS OF SIZE 0'-2"x0'-2"
R.C. SLAB (PRE-CAST) 1:2:4 OF 3/4" SIZE JELLY 3" THICK
I BEAMS OF SIZE 0'-5"x0'-3"
R.R. MASONRY IN C.M 1:4
BED PLATE OF SIZE 0'-6"x0'-6"x3/8" AND ANCHORED TO ABUTMENT
EARTH FILLING
0'-6"
1'-0"
0'-6"
0'-5"
3'-0"
4'-0"
6'-0"
2'-0"
54.7
BED LEVEL



HALF PLAN AT FOUNDATION & HALF AT TOP
SCALE: 1/100

REFERENCES

CLEAR SPAN	= 10'-0"
EFFECTIVE SPAN	= 10.48
BED WIDTH	= 10'-0"
BED LEVEL	= 47.00
M.F.L	= 52.00
O.F.L	= 49.00
R.C. SLAB (PRECAST) 1:2:4 OF 3/4" JELLY	3" THICK
I BEAM OF SIZE 5x3	2 Nos.
WOODEN POSTS OF SIZE 0'6"x0'6"x2'-9"	
ABUTMENTS OF R.R IN C.M 1:4	
CEMENT CONCRETE 1:5:10 FOR FOUNDATION.	

LEVELS WERE TAKEN BY ME & RECORDED ON PAGE 20 OF L.F. BOOK No 66 SK.
LEVELS REFER TO B.M ON TOP OF SURVEY STONE ON RIGHT BANK UNDER MANGO TREE.
+ 50.00

A.T.R. Ramakrishnan
Supt. Mangalore.
12/3/53.

CERTIFIED THAT THE WORK HAS BEEN COMPLETED AS PER PLAN AND ~~NECESSARY~~ ALL AUTHORISED DEVIATIONS HAVE BEEN NOTED IN RED INK IN THE PLAN.

A.T.R. Ramakrishnan
Supt. Mangalore
C.P. Supt. Mangalore
6/8/53.

COMMUNITY PROJECT MAN

PROPOSED FOOT-BRIDGE AT DE MANGALORE TALUK.

APPRO

PREPARED BY.

(C No 6032/53)

Pub (C.P. Audit) Dy

Sub- Community Projects- Seritta Kanara district- Communicate Construction of a foot bridge at Dabbeli in Harekala village

Ref- From the P.E.O. Mangalore - Ref- C. No. 231/53-B dt 28.4.53

Please see the letter cited above from the P.E.O. Mangalore. The P.E.O asks for sanction to the construction of a foot-bridge of a single span of 10' at Dabbeli

The work is permissible from the administrative point of view The contribution by the beneficiaries is a third of the estimated cost The work has been approved by the Project advisory Committee The Project estimate contemplates construction of 33 foot bridges in the 1st Block of development at an average cost of Rs 1700/- (representing exclusive peoples contribution).

It is possible to cut the cost of the bridge, down. if the technical suggestions made in the draft memo put up, are to be followed. These and other suggestions in the draft memo are also based on technical Soundness

The P.E.O will be asked to revise the proposals according to the draft memo put up for approval.

14-4-53 14.4.53 15.4.53

S/154/57

(Ref as Memo No. 6032 Pub (C.P. Audit) 53-4 dt 15 4/53

From the P.E.O Mangalore Ref. C No 231/53-B dt 28.4.53

Please See the reply from the P.E.O mangalore at p 5 C.F.

The estimate has been altered as suggested in memo at p. 3 C.F.

The revised proposal is to span the 10 ft wide stream with a Reinforced Concrete deck bridge, the Slab resting on 2 rolled Steel girders of 5"x3" section, carried on abutments of random rubble in cement mortar 1:4. The abutments will be 12 ft in height including the Concrete in foundations which will be of cement Concrete 1:5:10 and on firm Gravelly soil about 6 ft below bed of Stream.

The revised cost of estimate is Rs 1250 and at two thirds the Amount for Sanction is Rs 833/-. The draft orders put up may please be Approved

p 1 c.f.

kept below.

p 3 c.f

p 5 c.f

Noted in register
of memos 61

EXTRACT FROM THE CALL BOOK.

Serial number	Date of entry in this register	Subject	Old current Number	No.& date of Govt. Order etc. authorising the entry	Date when further action is to be taken	No.& date of new current.
65	11-5-53	C.Ps. - S.K. Area - Communications - Construction of a foot-bridge at Dalbeli in Harekala village - Estimate - Sanctioned.	C.No. 6032/53	G.O.Ms.No. 1205, d/-7-5-53.	7-9-53.	

25322

Note.- The completion report due from the P.E.O., in respect of the above work has not been received. A draft calling for the report is put up below for approval.

Issued as Memo No. 25322 Public (CP. Accts) 53-1 dt 4.9.53

Ref:. From the P. E. Mangalore Ref C No 231/53. B dt 19. 9. 53

Orders have been issued vide Memo No 7976 Public (CP. Accts) 53. 3 dt 25. 9. 53 in regard to payment for baling water. The Completion report may be awaited

N. R. 15/11/53

Ref:. From the PEO Mangalore C No 231/53 B dt 26. 11. 53.

Please see the letter from the PEO. Mangalore at p 5 c.f.

He reports that the work of Constructing a footbridge at Dabbeli in Harekala Village sanctioned in GoMs 1205 Pub(CP) dt 7-5-53 has been Completed and has also enclosed a copy of the Completion report together with the Approved plan noting the deviations. The estimated cost of the work was Rs 1250/- and 2/3 of this or Rs 833/- was the expenditure sanctioned. The value of work actually done is Rs 973-8-0 only and Rs 649/- being its two thirds, has been spent from C.P. funds. The only deviation has been the substitution of wooden railings for gas pipes. This has results in savings. The items of unforeseen works, Contingencies and petty Supervision charges have not also been utilised.

The Completion report is in order and may be accepted. The papers may be lodged and added to the GO. at (2)

4-12-53

5/12/53

5/12/53